

TEST SEARCH

application # 10/775,232

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|---------|------------------|
| L1 | 45 | sony.as. and barrier and resist and board | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/08 13:03 |
| S1 | 4 | ((("5,460,767") or ("6531,663") or ("6,049,122") or ("4,823,217"))). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/31 18:01 |
| S2 | 11 | ((("6,143,991") or ("5,925,445") or ("5,646,068") or ("5,640,308") or ("4,580,193") or ("6,038,132") or ("6,087,676") or ("5,52,567") or ("5,460,767") or ("6,531,663") or ("6,049,122") or ("4,823,217"))). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/31 18:02 |
| S3 | 48 | ((("6199273") or ("5642261") or ("5760469") or ("4336551") or ("5767528") or ("5841194") or ("5893508") or ("6013953") or ("6038135") or ("6186389") or ("6218630") or ("6218630") or ("6246117") or ("4322777") or ("5010448") or ("5418471") or ("5478009") or ("5484963") or ("5491364") or ("5512786") or ("5545589") or ("5594275") or ("5620928") or ("5672965") or ("5699612") or ("5708567") or ("5726493") or ("5729432") or ("5732465") or ("5736789") or ("5736790") or ("5784264") or ("5783870") or ("5789716") or ("5803340") or ("5828128") or ("5838061") or ("5849609") or ("5854741") or ("5866948") or ("5878942") or ("5889333") or ("5891758") or ("5897334") or ("5898217") or ("5905633") or ("5908317") or ("5909055") or ("5912505") or ("5915169").pn.))). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/31 18:04 |
| S4 | 3 | ((("6833509") or ("6498306") or ("6420658"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/31 18:08 |
| S5 | 14096 | ((substrate or board or carrier) with (pad\$1 or land\$1) with (terminal\$1 or electrode\$1)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:04 |

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| S6 | 4443 | ((substrate or board or carrier) with (pad\$1 or land\$1) with (terminal\$1 or electrode\$1)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:09 |
| S7 | 34 | ((substrate or board or carrier) with (pad\$1 or land\$1) with (terminal\$1 or electrode\$1) with (mask or resist or protect\$4 adj coating) with (trench\$2 or channel\$1 or groove\$1 or slot\$1)). ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:49 |
| S8 | 5 | ((substrate or board or carrier) with (pad\$1 or land\$1) with (terminal\$1 or electrode\$1) with (mask or resist or protect\$4 adj coating) with (trench\$2 or channel\$1 or groove\$1 or slot\$1)). clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:07 |
| S9 | 8014 | ((substrate or board or carrier) with (mask or resist or protect\$4 adj coating) with (trench\$2 or channel\$1 or groove\$1 or slot\$1)). ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:09 |
| S10 | 2923 | ((substrate or board or carrier) with (mask or resist or protect\$4 adj coating) with (trench\$2 or channel\$1 or groove\$1 or slot\$1)). clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:06 |
| S11 | 34 | S7 not S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:07 |
| S12 | 1431 | S5 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:10 |
| S13 | 3 | S9 and S12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:10 |

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| S14 | 1123 | S12 and (chip or ic or semiconductor adj device or die or package or integrated adj circuit\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:12 |
| S15 | 484 | S14 and edge | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:42 |
| S16 | 7 | (substrate or board or carrier) with (pad\$1 or land\$1) with (terminal\$1 or electrode\$1) with (mask or resist or protect\$4 adj coating) with (trench\$2 or channel\$1 or groove\$1 or slot\$1) with (edge\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:50 |
| S17 | 0 | (substrate or board or carrier) with (pad\$1 or land\$1 or terminal\$1 or electrode\$1) with (mask or resist or protective adj coating) with (edge) with (solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:53 |
| S18 | 2 | (substrate or board or carrier) same (pad\$1 or land\$1 or terminal\$1 or electrode\$1) same (mask or resist or protective adj coating) with (edge) same (solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 11:53 |
| S19 | 108 | (substrate or board or carrier) and (pad\$1 or land\$1 or terminal\$1 or electrode\$1) and (mask or resist or protective adj coating) and (edge) and (solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:20 |
| S20 | 11 | ((("6608,375") or ("6787,923") or ("6,911173") or ("20010010947") or ("20020171177") or ("20030043360") or ("20030052419") or ("20030151167") or ("20040014255") or ("20040005770") or ("20040080027") or ("20040142058") or ("20040165362"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/01 11:59 |
| S21 | 2 | ('5744084" "6479887").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/01 12:02 |
| S22 | 0 | ("6787923").URPN. | USPAT | OR | ON | 2006/01/01 12:02 |

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| S23 | 4440657 | (substrate or board or carrier or pcb or pwb) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:18 |
| S24 | 92214 | S23 and ((pad\$1 or land\$1 or terminal\$1 or electrode\$1) with (edge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:22 |
| S25 | 26430 | S24 and (mask or resist or protective adj coating or solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:21 |
| S26 | 17135 | S25 and (trench\$2 or channel\$1 or groove\$1 or slot\$1 or slit\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:21 |
| S27 | 10314 | S26 and parallel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:21 |
| S28 | 174 | S26 and ((pad\$1 or land\$1) with (terminal\$1 or electrode\$1) with (parallel)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:32 |
| S29 | 1434 | S8 or S11 or S13 or S14 or S15 or S16 or S19 or S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:33 |
| S30 | 2205 | (174/260).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 12:34 |

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| S31 | 2152 | S30 not S29 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 12:34 |
| S32 | 1929 | (174/260).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/01/01 16:06 |
| S33 | 1876 | S32 not S29 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 14:20 |
| S34 | 7 | ("4656605" "5572457" "6208546" "6222739" "6492714" "6725414" "6784526").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/01 12:51 |
| S35 | 0 | ("6850414").URPN. | USPAT | OR | ON | 2006/01/01 12:51 |
| S36 | 5 | ("5460767" "5737191" "5859475" "5907190" "6365979").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/01 12:57 |
| S37 | 0 | ("6617524").URPN. | USPAT | OR | ON | 2006/01/01 12:57 |
| S38 | 3 | ("4722470" "5060844" "5147084").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/01 14:04 |
| S39 | 24 | ("5493075").URPN. | USPAT | OR | ON | 2006/01/01 14:05 |
| S40 | 11599 | ((174/255) or (174/260) or (174/261) or (174/250) or (174/254) or (174/267) or (174/268) or (361/777) or (361/760) or (361/746) or (257/778) or (257/667) or (257/671)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 14:18 |
| S41 | 0 | ("36and((damordamming)with(sol derorreflow))").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 14:19 |
| S42 | 143 | S40 and ((dam or damming) with (solder or reflow)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 14:19 |

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| S43 | 96 | S42 not (S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 14:38 |
| S44 | 6 | ("5,930,889") or ("20040040742") or ("6,927,347") or ("5,075,965") or ("5,930,889") or ("6,870,248") or ("6,933, 617")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/01 14:25 |
| S45 | 873 | (361/777).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 14:38 |
| S46 | 704 | S45 not (S42 or S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 15:16 |
| S47 | 555 | (257/667).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 15:16 |
| S48 | 532 | S47 not (S45 or S42 or S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 16:03 |
| S49 | 1 | ("6600217").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/01 15:45 |
| S50 | 2 | ("5920116" "6506257").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/01 15:46 |
| S51 | 0 | ("6600217").URPN. | USPAT | OR | ON | 2006/01/01 15:46 |
| S52 | 150 | (257/671).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 16:03 |

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| S53 | 142 | S52 not (S47 or S45 or S42 or S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 16:07 |
| S54 | 268 | S31 not (S52 or S47 or S45 or S42 or S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 16:11 |
| S55 | 2131 | (174/261).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 16:10 |
| S56 | 1367 | S55 not (S31 or S52 or S47 or S45 or S42 or S32 or S29) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 16:52 |
| S57 | 6158 | ((174/255) or (174/260) or (174/261) or (361/777) or (257/667) or (257/671)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 16:53 |
| S58 | 1843 | (361/760).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 16:53 |
| S59 | 1183 | S58 not S57 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 17:09 |
| S60 | 1189 | (174/250).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 17:09 |

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| S61 | 0 | S59 not (S58 or S57) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 17:09 |
| S62 | 710 | S60 not (S58 or S57) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 17:22 |
| S63 | 1104 | (174/254).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 17:22 |
| S64 | 687 | S63 not (S60 or S58 or S57) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 17:37 |
| S65 | 875 | ((174/267) or (174/268)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/01 17:37 |
| S66 | 382 | S65 not (S63 or S60 or S58 or S57) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/01 17:41 |
| S67 | 6 | ((module near3 circuit) with (barrier) with (isolate or isolation) with (semiconductor or chip or die or IC)).ti,ab,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:00 |
| S68 | 6 | ((module near3 circuit) with (barrier) with (isolate or isolation) with (semiconductor or chip or die or IC)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:00 |

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| S69 | 199706 | Takahashi.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:04 |
| S70 | 841 | S69 and (pad\$1) and (terminal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:05 |
| S71 | 641 | S70 and (semiconductor or chip or die or IC) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:06 |
| S72 | 159 | S70 and (barrier or stopper or dam or damming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:16 |
| S73 | 244 | S71 and (resist or mask or protective adj coating) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:17 |
| S74 | 155 | S73 not S72 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/02 17:20 |
| S75 | 59 | (board with resist with barrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:21 |
| S76 | 3 | ("4088828" "4220810" "4389771").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 13:48 |
| S77 | 10 | ("4767892").URPN. | USPAT | OR | ON | 2006/01/06 13:49 |

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| S78 | 14 | ("3567844" "3610811" "3777221" "4303291" "4326239" "4413309" "4584039" "4590539" "4638116" "4694121" "4706167" "4728022" "4766268" "4767892").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 13:52 |
| S79 | 10 | ("4859808").URPN. | USPAT | OR | ON | 2006/01/06 13:54 |
| S80 | 6926 | pfu.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:33 |
| S81 | 1 | S80 and (barrier with resist) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:34 |
| S82 | 32 | ((board or substrate) with (resist or mask) with (barrier or dam or damming) with (channel or trench)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:37 |
| S83 | 100 | ((board or substrate) with (resist or mask) with (barrier or dam or damming) with (channel or trench)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:35 |
| S84 | 2 | S82 and S83 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:35 |
| S85 | 2 | (board or substrate) with (solder adj resist or solder adj mask) with (barrier or dam or damming) with (channel or trench) with (solder or reflow) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:10 |
| S86 | 12 | (board or substrate) same (solder adj resist or solder adj mask) same (barrier or dam or damming) same (channel or trench) same (solder or reflow) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 16:45 |

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| S87 | 503 | (board or substrate) and (solder adj resist or solder adj mask) and (barrier or dam or damming) and (channel or trench or groove) and (solder or reflow) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 14:51 |
| S88 | 1 | ("6853089").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/06 14:51 |
| S89 | 9 | ("20010026959" "20020084518" "20020125557" "20020149102" "20020168798" "20030042621" "5336931" "6200121" "6448507").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 14:54 |
| S90 | 0 | ("6853089").URPN. | USPAT | OR | ON | 2006/01/06 14:54 |
| S91 | 130 | S82 or S83 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:07 |
| S92 | 127 | S91 not S87 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:08 |
| S93 | 6 | (board or substrate) with (solder adj resist or solder adj mask) with (solder near3 bridg\$4).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:16 |
| S94 | 26 | (board or substrate) with (solder adj resist or solder adj mask) with (solder near3 bridg\$4).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:11 |
| S95 | 117 | (board or substrate) with (solder adj resist or solder adj mask) with (solder near3 bridg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:16 |
| S96 | 79 | S95 not (S94 or S93 or S92 or S87 or S86 or S85 or S75) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:21 |

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| S97 | 361 | (board same resist same barrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:21 |
| S98 | 296 | S97 not (S95 or S94 or S93 or S92 or S87 or S86 or S85 or S75) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:11 |
| S99 | 2 | ("4489364" "4546413").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 15:32 |
| S100 | 1 | ("5233503").URPN. | USPAT | OR | ON | 2006/01/06 15:32 |
| S101 | 12 | ("3405224" "4554732" "4766268" "4779339" "4847003" "4859808" "4931323" "4959751" "5004640" "5041901" "5113239").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 15:34 |
| S102 | 2 | ("5281772").URPN. | USPAT | OR | ON | 2006/01/06 15:34 |
| S103 | 5 | ((("6420658") or ("6498306") or ("6833509"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/06 15:54 |
| S104 | 12 | ("4580193" "4823217" "5460767" "5552567" "5640308" "5646068" "5925445" "6038132" "6049122" "6087676" "6143991" "6531663").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 15:56 |
| S105 | 2 | ("4188714" "4432027").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:01 |
| S106 | 30 | ("4823217").URPN. | USPAT | OR | ON | 2006/01/06 16:01 |
| S107 | 4 | ("4017889" "4929284" "5164342" "5637261").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:09 |
| S108 | 1 | ("6531663").URPN. | USPAT | OR | ON | 2006/01/06 16:09 |

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| S10 9 | 10 | ("3780352" "5245750" "5279711" "5345365" "5432679" "5438478" "5467253" "5523920" "5790377" "5864946").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:11 |
| S11 0 | 12 | ("6143991").URPN. | USPAT | OR | ON | 2006/01/06 16:12 |
| S11 1 | 12 | ("6143991").URPN. | USPAT | OR | ON | 2006/01/06 16:12 |
| S11 2 | 21 | ("3561107" "3704164" "3811183" "4610910" "4847003" "4925723" "5153051" "5493075" "5512712" "5545465" "5550325" "5576869" "5578874" "5608262" "5656862" "5672913" "5674595" "5703406" "5744224").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:14 |
| S11 3 | 8 | ("5925445").URPN. | USPAT | OR | ON | 2006/01/06 16:15 |
| S11 4 | 0 | ("6833509").URPN. | USPAT | OR | ON | 2006/01/06 16:15 |
| S11 5 | 8 | ("4580193" "5552567" "5640308" "5646068" "5925445" "6038132" "6087676" "6143991").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:16 |
| S11 6 | 10 | ("3780352" "5245750" "5279711" "5345365" "5432679" "5438478" "5467253" "5523920" "5790377" "5864946").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:16 |
| S11 7 | 12 | ("6143991").URPN. | USPAT | OR | ON | 2006/01/06 16:17 |
| S11 8 | 0 | ("6498306").URPN. | USPAT | OR | ON | 2006/01/06 16:17 |
| S11 9 | 8 | ("4580193" "5552567" "5640308" "5646068" "5925445" "6038132" "6087676" "6143991").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:17 |
| S12 0 | 653 | ((solder adj resist or solder adj mask) same (pad or land or electrode or terminal)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 16:46 |

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|----------|------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S12 1 | 2343 | ((solder adj resist or solder adj mask) same (pad or land or electrode or terminal)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:09 |
| S12 2 | 275 | S120 and S121 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:00 |
| S12 3 | 2 | ("4230793" "4884337").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 16:57 |
| S12 4 | 11 | ("5402314").URPN. | USPAT | OR | ON | 2006/01/06 16:58 |
| S12 5 | 2721 | S120 or S121 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:00 |
| S12 6 | 11 | S125 and (solder adj stop\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:01 |
| S12 7 | 10 | ("3458925" "4273859" "4450188" "4661192" "4661375" "4729165" "5048747" "5092034" "5135155").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/06 17:03 |
| S12 8 | 20 | ("5281684").URPN. | USPAT | OR | ON | 2006/01/06 17:04 |
| S12 9 | 20 | ("5281684").URPN. | USPAT | OR | ON | 2006/01/06 17:04 |
| S13 0 | 6516 | ((solder adj resist or solder adj mask) same (pad or land or electrode or terminal)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:10 |
| S13 1 | 675 | S130 and barrier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 17:10 |

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|----------|-----|--------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S13 2 | 384 | S131 not (S122 or S97 or S95 or S94 or S93 or S92 or S87 or S86 or S85 or S75) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 18:01 |
|----------|-----|--------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|---------|------------------|
| S13 | 216931 | (board or substrate) with (insulating adj film or resist or mask or potective adj coating) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/07 20:10 |
| S22 | 68 | S13 and ((under\$1fill or under adj fill) with (viscosity)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/23 13:46 |
| S34 | 83178 | oki.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:44 |
| S35 | 71 | S34 and (solder adj resist or solder adj mask) and (board or substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:52 |
| S36 | 21394 | H05K001/02.ipc. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:52 |
| S37 | 35708 | H05K003/34.ipc. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:52 |
| S38 | 55786 | S36 or S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:52 |
| S39 | 1454 | S38 and (solder adj resist or solder adj mask) and (board or substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |

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|-----|------|------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S40 | 43 | S38 and (solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |
| S41 | 13 | S39 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 18:54 |
| S42 | 9 | S38 and (barrier with resist) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:29 |
| S43 | 1028 | S38 and (solder near3 bridg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:30 |
| S44 | 103 | S39 and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:10 |
| S45 | 97 | S44 not (S42 or S41 or S35) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:27 |
| S46 | 0 | S39 and ((mask or resis) with (moat)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:26 |
| S47 | 3 | S39 and ((mask or resis) with (barrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:26 |

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|-----|------|-------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S48 | 2102 | ((228/180.21) or (228/180.22)). CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/07 19:27 |
| S49 | 798 | b23k001/14.ipc. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |
| S50 | 2898 | S48 or S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |
| S51 | 246 | S50 and (solder adj resist or solder adj mask) and (board or substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |
| S52 | 5 | S51 and (solder adj dam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:28 |
| S53 | 15 | S50 and (barrier with resist) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:33 |
| S54 | 159 | S50 and (solder near3 bridg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:31 |
| S55 | 14 | S54 and (S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:33 |

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| S56 | 59 | S50 and (dam or damming or moat) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:35 |
| S57 | 8 | S56 and (S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:36 |
| S58 | 5 | S50 and ((mask or resist) with (channel or trench)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:36 |
| S59 | 0 | S58 and (S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:37 |
| S60 | 22 | S38 and ((mask or resist) with (channel or trench)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:42 |
| S61 | 4 | S60 and (S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:38 |
| S62 | 61 | S38 and ((mask or resist) with (groove)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:37 |
| S63 | 2 | S62 and (S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:40 |

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| S64 | 58328 | S38 or S50 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:39 |
| S65 | 19584 | S64 and (land or pad or electrode or terminal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:40 |
| S66 | 154 | S65 and ((land or pad or electrode or terminal) with (barrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:40 |
| S67 | 13 | S66 and (S62 or S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:43 |
| S68 | 403 | S64 and ((mask or resist or insulat\$4) with (channel or trench or groove or slot)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:51 |
| S69 | 92 | S68 and (S66 or S62 or S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:51 |
| S70 | 7 | S64 and ((mask or resist or insulat\$4) with (solder adj adhesion)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:53 |
| S71 | 2 | S70 and (S68 or S66 or S62 or S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:55 |

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|-----|------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S72 | 231 | S64 and ((solder near3 stop\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:53 |
| S73 | 14 | S72 and (S70 or S68 or S66 or S62 or S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 19:56 |
| S74 | 386 | S48 and (S72 or S70 or S68 or S66 or S62 or S60 or S58 or S56 or S54 or S53 or S52 or S47 or S45 or S42 or S41) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/07 20:02 |
| S75 | 13 | pfu.as. and Tatsuhiko.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/08 10:32 |
| S76 | 6927 | pfu.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/08 10:32 |
| S77 | 1 | S76 and barrier and resist | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/08 10:33 |
| S78 | 16 | hitachi.as. and (solder adj resist) and (solder adj bridge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/08 10:55 |